

WHAT IS CLAIMED IS:

1. A method for manufacturing a bead inductor, comprising the steps of:
forming an integral, unitary member including an internal conductor and external terminals, the external terminals disposed at both ends of the internal conductor and electrically connected thereto;
5 positioning the integral, unitary member in a metallic mold; and
molding at least one of a resin material and a rubber material including a powdered magnetic substance in the metallic mold so as to embed the internal conductor therein.
2. A method according to Claim 1, wherein a through-hole for supplying at least one of the resin material and the rubber material in a periphery of the internal conductor in the metallic mold is formed in at least one of the external terminals.
3. A method according to Claim 1, wherein the integral, unitary member including the internal conductor and the external terminals is integrally formed by processing a metallic plate.
4. A method according to Claim 1, wherein the integral, unitary member including the internal conductor and the external terminals is formed by unitizing the internal conductor and the external terminals which are separately formed.
5. A method according to Claim 4, wherein the internal conductor and the external terminals are unitized via welding.
6. A method according to Claim 4, wherein the internal conductor is coil-shaped.

7. A method according to claim 1, wherein said internal conductor is bar-shaped.

8. A method according to claim 1, wherein said external terminals are substantially rectangular-shaped.

9. A method according to claim 1, wherein the internal conductor and the external terminals are unitized via soldering.

10. A method according to claim 1, wherein the internal conductor and the external terminals are unitized via adhesion using conductive adhesives.

11. A method according to Claim 1, wherein a through-hole for supplying at least one of the resin material and the rubber material in a periphery of the internal conductor in the metallic mold is formed in each of the external terminals.

12. A bead inductor comprising:

an internal conductor;

a molded member of at least one of a resin material and a rubber material including a powdered magnetic substance with said internal conductor embedded

5 therein; and

external terminals disposed at both ends of said internal conductor and electrically connected thereto,

wherein said internal conductor and said external terminals define a previously formed, integral, unitary member.

13. A bead inductor according to Claim 12, wherein said internal conductor and said external terminals are made of a metallic plate.

14. A bead inductor according to Claim 12, wherein said integral, unitary

member includes said internal conductor and said external terminals which are welded to each other.

15. A bead inductor according to Claim 12, wherein said internal conductor is coil-shaped.

16. A bead inductor according to claim 12, wherein said internal conductor is bar-shaped.

17. A bead inductor according to claim 12, wherein said external terminals are substantially rectangular-shaped.

18. A bead inductor according to claim 12, wherein the internal conductor and the external terminals are welded to each other.

19. A bead inductor according to claim 12, wherein the internal conductor and the external terminals are soldered to each other.